

	Type	L #	Hits	Search Text	DBs	Time Stamp
1	BRS	L1	818719	protrusion recess	USPAT ; US-PG PUB; EPO; JPO; DERWE NT; IBM_T DB	2002/10/17 11:34
2	BRS	L2	149632 8	frame	USPAT ; US-PG PUB; EPO; JPO; DERWE NT; IBM_T DB	2002/10/17 11:35
3	BRS	L3	274820	liquid adj crystal	USPAT ; US-PG PUB; EPO; JPO; DERWE NT; IBM_T DB	2002/10/17 11:35
4	BRS	L4	679	sato-yasuhiro.in.	USPAT ; US-PG PUB; EPO; JPO; DERWE NT; IBM_T DB	2002/10/17 11:35
5	BRS	L5	747	349/58.ccls.	USPAT ; US-PG PUB; EPO; JPO; DERWE NT; IBM_T DB	2002/10/17 11:36
6	BRS	L6	0	4 and 5	USPAT ; US-PG PUB; EPO; JPO; DERWE NT; IBM_T DB	2002/10/17 11:36

	Type	L #	Hits	Search Text	DBs	Time Stamp
7	BRS	L7	28568	349\$.ccls.	USPAT ; US-PG PUB; EPO; JPO; DERWE NT; IBM_T DB	2002/10/17 11:36
8	BRS	L8	1	4 and 7	USPAT ; US-PG PUB; EPO; JPO; DERWE NT; IBM_T DB	2002/10/17 11:36
9	BRS	L9	260	1 same 2 same 3	USPAT ; US-PG PUB; EPO; JPO; DERWE NT; IBM_T DB	2002/10/17 11:37
10	BRS	L10	33395	1 near10 2	USPAT ; US-PG PUB; EPO; JPO; DERWE NT; IBM_T DB	2002/10/17 11:37
11	BRS	L11	38	5 and 9	USPAT ; US-PG PUB; EPO; JPO; DERWE NT; IBM_T DB	2002/10/17 11:37
12	BRS	L12	169	10 same 3	USPAT ; US-PG PUB; EPO; JPO; DERWE NT; IBM_T DB	2002/10/17 11:37

	Type	L #	Hits	Search Text	DBs	Time Stamp
13	BRS	L14	12	11 not 13	USPAT ; US-PG PUB; EPO; JPO; DERWE NT; IBM_T DB	2002/10/17 11:37
14	BRS	L13	26	12 and 5	USPAT ; US-PG PUB; EPO; JPO; DERWE NT; IBM_T DB	2002/10/17 11:49
15	BRS	L15	82	349/60.ccls.	USPAT ; US-PG PUB; EPO; JPO; DERWE NT; IBM_T DB	2002/10/17 11:49
16	BRS	L16	9	15 and 9	USPAT ; US-PG PUB; EPO; JPO; DERWE NT; IBM_T DB	2002/10/17 11:49
17	BRS	L17	750851	vacuum	USPAT ; US-PG PUB; EPO; JPO; DERWE NT; IBM_T DB	2002/10/17 11:50
18	BRS	L18	156475 6	resin	USPAT ; US-PG PUB; EPO; JPO; DERWE NT; IBM_T DB	2002/10/17 11:50

	Type	L #	Hits	Search Text	DBs	Time Stamp
19	BRS	L19	323465	u-shaped u-shape	USPAT ; US-PG PUB; EPO; JPO; DERWE NT; IBM_T DB	2002/10/17 11:50
20	BRS	L21	0	5 and 20	USPAT ; US-PG PUB; EPO; JPO; DERWE NT; IBM_T DB	2002/10/17 11:51
21	BRS	L22	2	3 and 20	USPAT ; US-PG PUB; EPO; JPO; DERWE NT; IBM_T DB	2002/10/17 11:51
22	BRS	L20	15	17 same 18 same 19 same 2	USPAT ; US-PG PUB; EPO; JPO; DERWE NT; IBM_T DB	2002/10/17 11:52
23	BRS	L23	30966	2 near10 18	USPAT ; US-PG PUB; EPO; JPO; DERWE NT; IBM_T DB	2002/10/17 11:53
24	BRS	L24	780198	23 nera10 17	USPAT ; US-PG PUB; EPO; JPO; DERWE NT; IBM_T DB	2002/10/17 11:53

	Type	L #	Hits	Search Text	DBs	Time Stamp
25	BRS	L25	186	23 near10 17	USPAT ; US-PG PUB; EPO; JPO; DERWE NT; IBM_T DB	2002/10/17 11:55
26	BRS	L26	1	5 and 25	USPAT ; US-PG PUB; EPO; JPO; DERWE NT; IBM_T DB	2002/10/17 11:54
27	BRS	L27	1	7 and 25	USPAT ; US-PG PUB; EPO; JPO; DERWE NT; IBM_T DB	2002/10/17 11:54
28	BRS	L28	3	25 same 19	USPAT ; US-PG PUB; EPO; JPO; DERWE NT; IBM_T DB	2002/10/17 11:55
29	BRS	L29	6	1 same 25	USPAT ; US-PG PUB; EPO; JPO; DERWE NT; IBM_T DB	2002/10/17 11:55

CLIPPEDIMAGE= JP408114802A

PAT-NO: JP408114802A

DOCUMENT-IDENTIFIER: JP 08114802 A

TITLE: HOLDER OF PLANE DISPLAY DEVICE

PUBN-DATE: May 7, 1996

INVENTOR-INFORMATION:

NAME

YOSHIMURA, MAKOTO

ASSIGNEE-INFORMATION:

NAME

COUNTRY

SHARP CORP

N/A

APPL-NO: JP06249798

APPL-DATE: October 14, 1994

INT-CL (IPC): G02F001/1335;B65D085/86
;B65D085/68

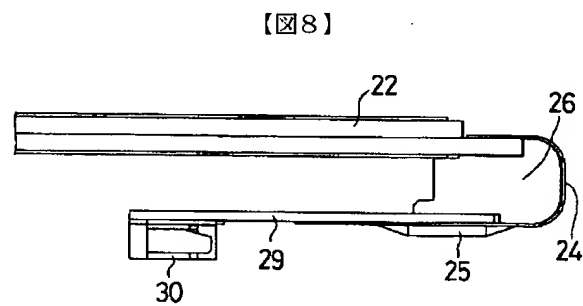
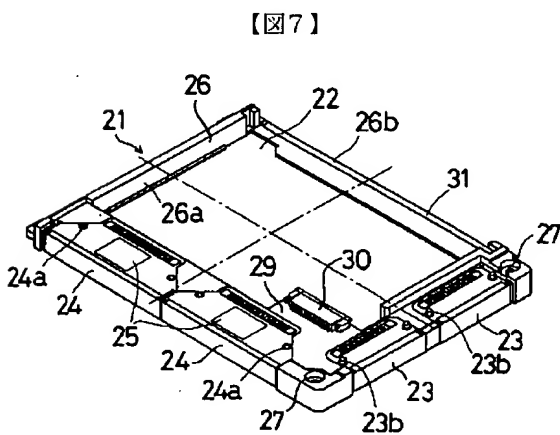
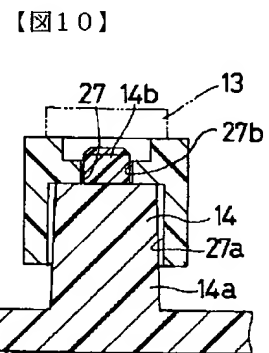
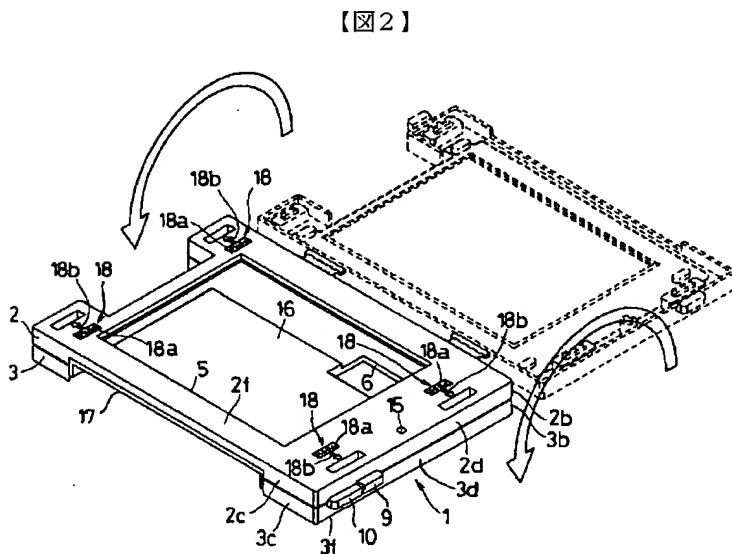
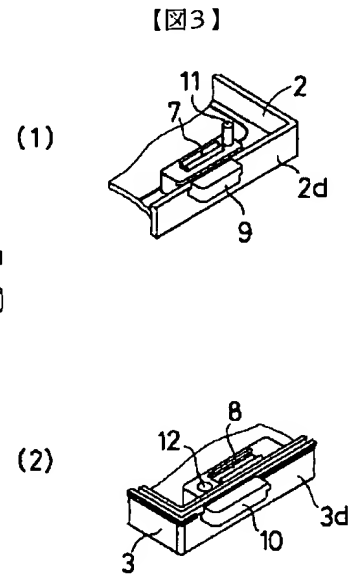
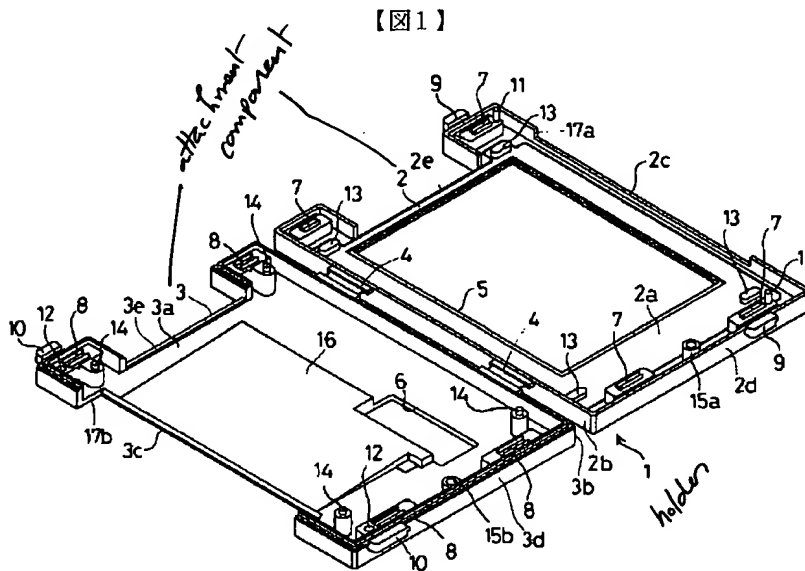
ABSTRACT:

PURPOSE: To facilitate handling of a plane display device and to prevent the failure thereof.

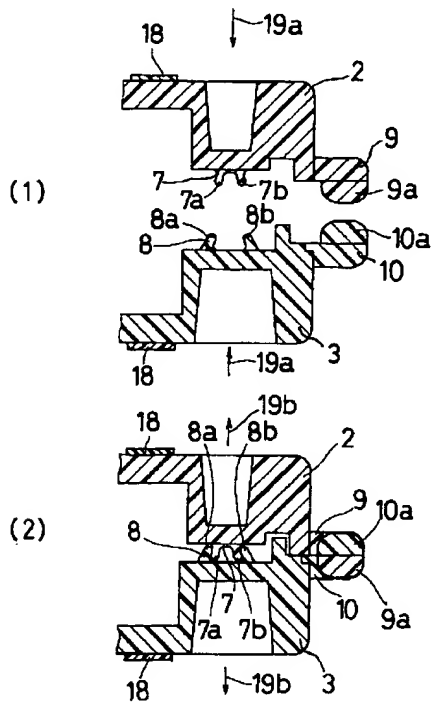
CONSTITUTION: This holder 1 has a holding

member 2 which is arranged on the display surface side of a display device and a holding member 3 which is arranged on the side opposite to this display surface. The display device is arranged on the holding surface 3a of the holding member 3. The display device 21 is held by detaining a pair of detaining members 7 to 10 disposed at the holding members 2, 3 and fitting a pair of fitting members 11, 12. An insertion port to be inserted with a back light module is formed by the holding members 2, 3. This back light module is guided by a guiding member 16 formed at the holding member 3 to a position where the entire surface of the display region of the display device is irradiated. The light from the back light module is made incident on the display region of the display device and the light transmitted through the display region is emitted from an aperture 5 formed at the holding member 2.

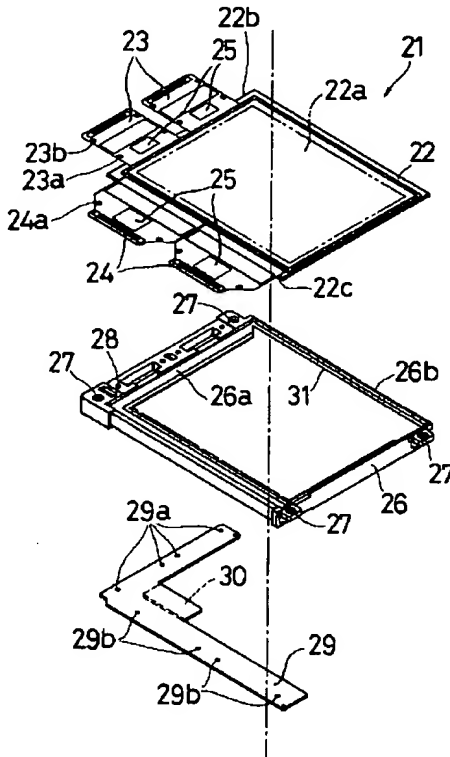
COPYRIGHT: (C)1996,JPO



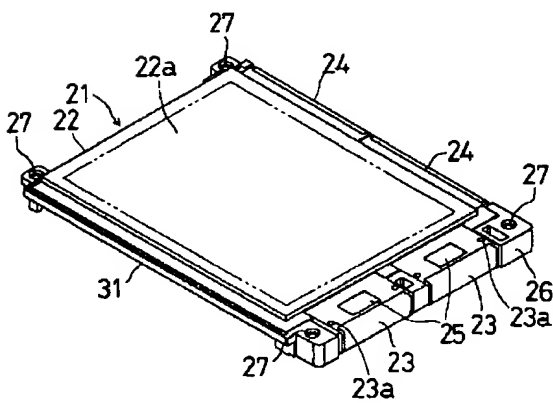
【図4】



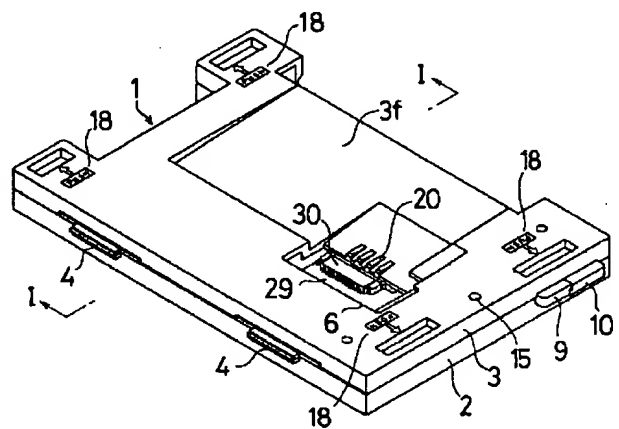
【図5】



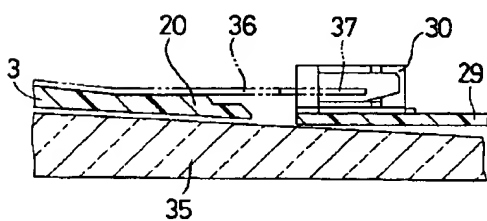
【図6】



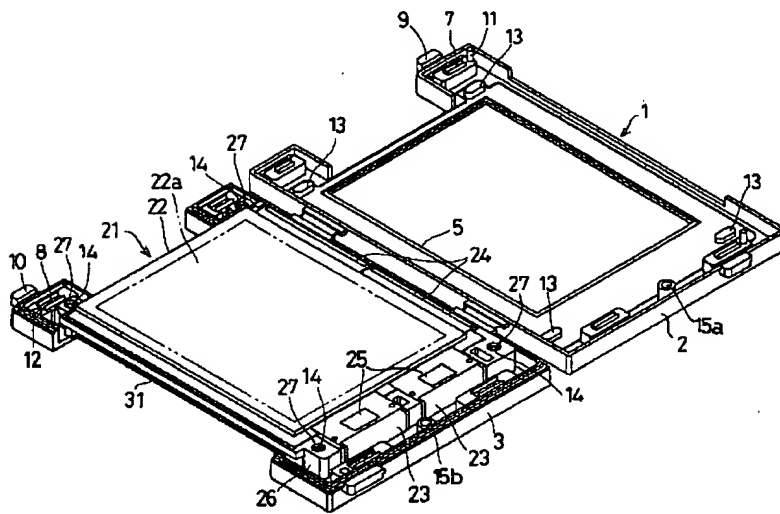
【図11】



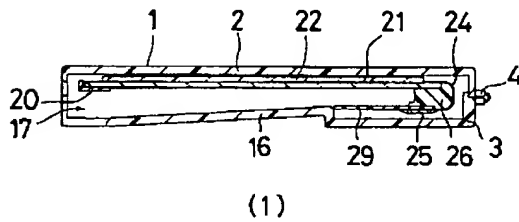
【図14】



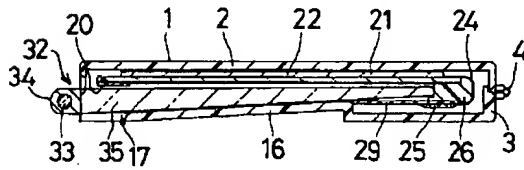
【図9】



【図12】

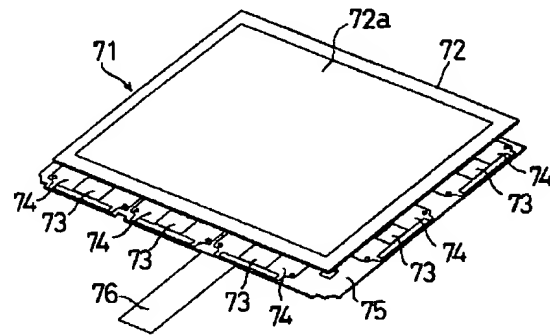


(1)

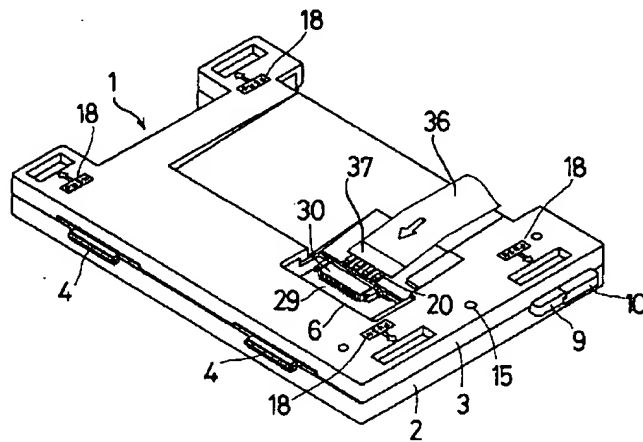


(2)

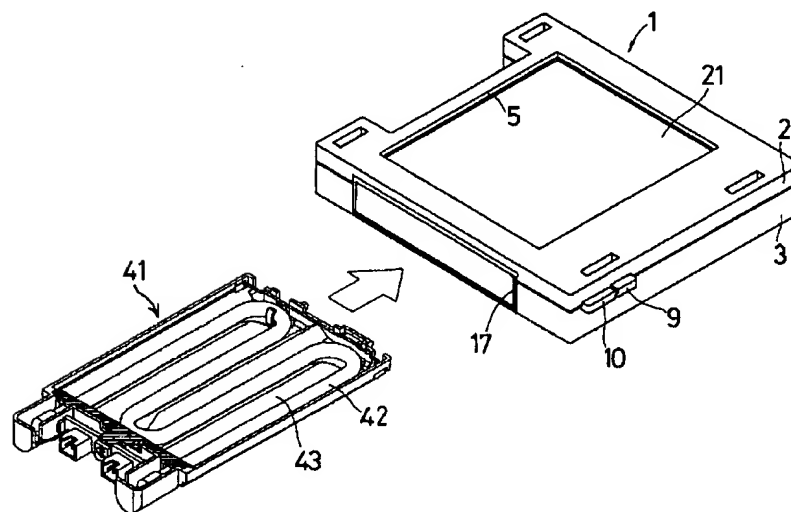
【図17】



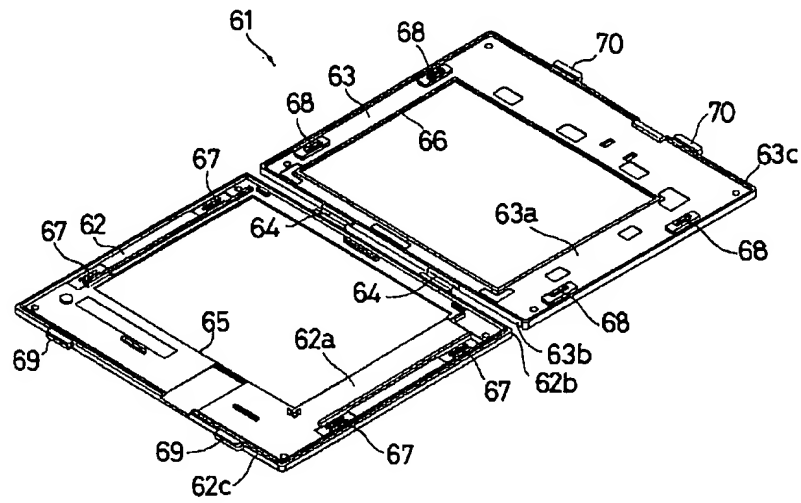
【図13】



【图 15】



【図16】



CLIPPEDIMAGE= JP410048599A

PAT-NO: JP410048599A

DOCUMENT-IDENTIFIER: JP 10048599 A

TITLE: LIQUID CRYSTAL DISPLAY DEVICE

PUBN-DATE: February 20, 1998

INVENTOR-INFORMATION:

NAME

KOURA, SHINJI

MATSUO, SHINJI

ASSIGNEE-INFORMATION:

NAME

COUNTRY

TOSHIBA CORP

N/A

APPL-NO: JP08206147

APPL-DATE: August 5, 1996

INT-CL (IPC): G02F001/1333

ABSTRACT:

PROBLEM TO BE SOLVED: To provide a liquid crystal display device with which the improvement in an assembling characteristic and the reduction of a production cost are possible.

SOLUTION: A case part 38 of a holding frame 12 is connected by means of a thin hinge part 40 to a base part 36. The case part 38, the base part 36 and the hinge part 40 are integrally molded by synthetic resins. A liquid crystal cell 10 is held at its peripheral edge between the base part 36 and the case part 38 and is held by a holding frame 12. A driving circuit 20 is connected to the liquid crystal cell 10 and is arranged on the side edge on the side opposite to the hinge part 40 in the base part 36.

COPYRIGHT: (C)1998,JPO

CLIPPEDIMAGE= JP411024590A

PAT-NO: JP411024590A

DOCUMENT-IDENTIFIER: JP 11024590 A

TITLE: PLANE DISPLAY DEVICE

PUBN-DATE: January 29, 1999

INVENTOR-INFORMATION:

NAME

YOKOYA, KOICHI

ASSIGNEE-INFORMATION:

NAME

COUNTRY

TOSHIBA ELECTRON ENG CORP

N/A

TOSHIBA CORP

N/A

APPL-NO: JP09182693

APPL-DATE: July 8, 1997

INT-CL (IPC): G09F009/00;G02F001/1333

ABSTRACT:

PROBLEM TO BE SOLVED: To minimize the number of components and the assembly man-hour of a frame structure by housing and holding a display panel at the

inside of an integrated type frame provided with a locking part or the like mutually locking a display surface side cover part and a rear face side base bottom part when a hinge is closed.

SOLUTION: This plane display device 10 is constituted by housing the display panel 2 at the inside of the integrated type frame 1 of a bivalve structure.

The integrated type frame 1 is integrally formed by embedding a metal frame 3 in hard rubber. A cover part 11 and a base bottom part 12 are joined by a hinge part 13 so as to freely open/close in the integrated type frame 1. Then, a recessed part 18 for housing the display panel to house the display panel 2 in a closed state is provided at the cover part 11 and the base bottom part 12. Projected lines for sealing 14 to seal the interstice between the cover part 11 and the base bottom part 12 in the closed state are provided at both parts 11 and 12.

COPYRIGHT: (C) 1999, JPO